Example Weather Station Control Messages

The following is a general hello message used by that may be used by a pumpstation site

5   manager to "ping" other sites in order to determine their current availability.

Request: **FTXHELLO** [| **mid**= {message id}]

Response: **FTXSUCCESS** | **name**= {site name} | **type**= {site type} [| **rid**= {message id}]

10   *Where:*   {site name} = text description of this site (e.g. "North Side News Station")
                          {site type} = text identifying type of site (e.g. "Weather Station")
                          {message id} = message identification tag

15   The following command may be used to request information from a weather station. If

the provided security information qualifies, the station data is returned.

Request: **WSTAGET** | **name**= {wstation data name} | {security info} [| **mid**= {message id}]

Response: **WSTASUCCESS** | **value**= {data value} [| **rid**= {message id}]

20   **WSTAFAILED** | **comment**= {failure reason} [| **rid**= {message id}]

Where: {failure reason} = description of why the request failed
                          {message id} = message identification tag
25   {data value} = current value for the requested data
                          {security info} = one of the following formats,
                                    user= {user name} | **pwd**= {user password}
                                    sec= {CRC-32 of {user name} + {user password}}
                          {wstation data name} = one of the following values
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Data Name	Data Description
Units	Units
Temp	Temperature
RelHum	Relative Humidity
SolarRad	Solar Radiation
WindSp	Wind Speed
WindDir	Wind Direction
Rain1	Rain1
Rain24	Rain24
Time	Current Time
BarPres	Barometric Pressure
ET	Evapotranspiration (ET)
PanEvap	Pan Evaporation
SoilMoist	Soil Moisture (tension)
SoilTemp	Soil Temperature
LStrikes	Lightning Strikes